

AMENDMENTS TO THE ABSTRACT

SIMPLIFIED AUTOMATIC TYRE DEMOUNTING DEVICE, AND TYRE REMOVAL
MACHINES EQUIPPED THEREWITH

ABSTRACT

Automatic device for demounting a tyre from the
relative wheel rim, ~~comprising, for supporting the~~ having
rotary apparatus which supports a wheel rim complete with tyre,
and tyre. ~~rotary means~~ The rotary apparatus is associated with
a frame which supports a demounting tool ~~and is~~. The
demounting tool is associated with ~~means enabling it~~
~~to~~ apparatus that can be positioned in a ~~tyre~~ tire bead seeking
and gripping position ~~in which it is perpendicular to the axis~~
~~or orientated where the axis of the demounting tool is parallel~~
to that of the frame or the demounting tool is rotated in a
first direction towards the centre of the wheel rim, and ~~in a~~
~~position~~ positioned for extracting ~~said tyre~~ tire bead from the
wheel rim in which ~~it is perpendicular to the axis of the~~
demounting tool is parallel to that of the frame or the
demounting tool is ~~orientated in the opposite~~ rotated in a
direction opposite to the first direction, said tool
positioning means comprising a bar, to the end of which said
tool is hinged in an intermediate position, and a connecting
rod which at one end is hinged to one end of said tool, and at

Appln. No. 10/632,910
Amdt. dated December 9, 2004
Reply to Office Action of September 9, 2004

the opposite end is connected to said bar by a lever linkage,
said bar being connected to means for advancing it and
withdrawing it.

Attachment: Replacement Abstract